



# Certificate of Analysis

Powered by Confident Cannabis

## Open Book Extracts

Roxboro, NC 27574  
 testing@openbookextracts.com  
 (336) 592-7317  
 Lic. #

Sample: 2011DBL0186.11036

METRC Sample:  
 Lot #: CBG-201113

Strain: Isolate  
 Ordered: 11/13/2020; Sampled: 11/16/2020; Completed: 11/19/2020

## CBG Isolate

Concentrates & Extracts, Cannabinoid Isolate, Multiple Solvents



Pesticides



Microbials



Mycotoxins



Heavy Metals



Foreign Matter



Solvents

### Terpenes

Analyzed by 300.13 GC/FID and GC/MS



0.025%  
 Total Terpenes



Compound	LOQ	Mass	Mass	Relative Concentration
	%	%	mg/g	
δ-3-Carene	0.015	0.025	0.25	
α-Bisabolol	0.015	<LOQ	<LOQ	
α-Humulene	0.015	<LOQ	<LOQ	
α-Pinene	0.015	<LOQ	<LOQ	
α-Terpinene	0.015	<LOQ	<LOQ	
β-Caryophyllene	0.015	<LOQ	<LOQ	
β-Myrcene	0.015	<LOQ	<LOQ	
β-Pinene	0.015	<LOQ	<LOQ	
Camphene	0.015	<LOQ	<LOQ	
Caryophyllene Oxide	0.015	<LOQ	<LOQ	
cis-Nerolidol	0.010	<LOQ	<LOQ	
cis-Ocimene	0.010	<LOQ	<LOQ	
δ-Limonene	0.015	<LOQ	<LOQ	
Eucalyptol	0.015	<LOQ	<LOQ	
γ-Terpinene	0.015	<LOQ	<LOQ	
Geraniol	0.015	<LOQ	<LOQ	
Guaiol	0.015	<LOQ	<LOQ	
Isopulegol	0.015	<LOQ	<LOQ	
Linalool	0.015	<LOQ	<LOQ	
p-Cymene	0.015	<LOQ	<LOQ	
Terpinolene	0.015	<LOQ	<LOQ	
trans-Nerolidol	0.005	<LOQ	<LOQ	
trans-Ocimene	0.005	<LOQ	<LOQ	

### Cannabinoid Relative Concentration

Analyzed by 300.18 UHPLC/PDA



<LOQ  
 Total THC



<LOQ  
 Total CBD

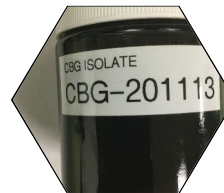


NT  
 Moisture: Not Tested

99.900%  
 Total Cannabinoids

Compound	LOQ	Mass	Mass	Relative Concentration
	%	%	mg/g	
CBC	0.035	<LOQ	<LOQ	
CBCa	0.035	<LOQ	<LOQ	
CBD	0.035	<LOQ	<LOQ	
CBDa	0.035	<LOQ	<LOQ	
CBDV	0.035	0.095	0.95	
CBDVa	0.035	<LOQ	<LOQ	
CBG	0.035	99.805	998.05	
CBGa	0.035	<LOQ	<LOQ	
CBL	0.035	<LOQ	<LOQ	
CBN	0.035	<LOQ	<LOQ	
Δ8-THC	0.035	<LOQ	<LOQ	
Δ9-THC	0.035	<LOQ	<LOQ	
THCa	0.035	<LOQ	<LOQ	
THCV	0.035	<LOQ	<LOQ	
THCVa	0.035	<LOQ	<LOQ	

Total THC = 0.877 x THC-A + Δ9-THC + Δ8-THC; Total CBD = CBDa \* 0.877 + CBD



*Stacy Gardalen*

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 Quality Control

*Glen Marquez*

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## CBG Isolate

Concentrates & Extracts, Cannabinoid Isolate, Multiple Solvents



### Pesticides

Analyzed by 300.9 LC/MS/MS and GC/MS/MS

Pass

Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	200	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	400	<LOQ	Pass
Bifenthrin	10	100	<LOQ	Pass
Cyfluthrin	10	2000	<LOQ	Pass
Cypermethrin	10	1000	<LOQ	Pass
Daminozide	10	800	<LOQ	Pass
Dimethomorph	10	2000	<LOQ	Pass
Etoxazole	10	400	<LOQ	Pass
Fenhexamid	10	1000	<LOQ	Pass
Flonicamid	10	1000	<LOQ	Pass
Fludioxonil	10	500	<LOQ	Pass
Imidacloprid	10	500	<LOQ	Pass
Myclobutanil	10	400	<LOQ	Pass
Pacllobutrazol	10	400	<LOQ	Pass
Piperonyl Butoxide	10	3000	<LOQ	Pass
Pyrethrins	10	2000	<LOQ	Pass
Quintozene	10	800	<LOQ	Pass
Spinetoram	10	1000	<LOQ	Pass
Spinosad	10	1000	<LOQ	Pass
Spirotetramat	10	1000	<LOQ	Pass
Thiamethoxam	10	400	<LOQ	Pass
Trifloxystrobin	10	1000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass

### Microbials

Analyzed by 300.1 Plating/QPCR

Pass

Quantitative Analysis	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Bile-Tolerant Gram-Negative Bacteria	9	100	<LOQ	Pass
Yeast & Mold	90	1000	<LOQ	Pass

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass

### Mycotoxins

Analyzed by 300.2 Elisa

Pass

Mycotoxin	LOQ	Limit	Status
	PPB	PPB	
Aflatoxins	4.0	10.0	Pass
Ochratoxin A	2.0	10.0	Pass

### Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Status
	PPB	PPB	
Arsenic	40	1000	Pass
Cadmium	40	410	Pass
Lead	40	600	Pass
Mercury	40	200	Pass

### Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ	Limit	Status
	PPM	PPM	
Butanes	96	250	Pass
Ethanol	96		Tested
Heptanes	96	250	Pass
Propane	96	250	Pass



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